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PN - JP2279329 A 19901115  
 TI - (A)  
 COMPOSITE DAMPING STEEL PLATE  
 AB - (A)  
 PURPOSE: To obtain stable sufficient welding strength by arranging specific Cu-spheres or a reticulated body formed by knitting an Ni-wire, an Ni-alloy wire or an Ni-coated wire in the vibration sound buffer material interposed between steel plates and integrally subjecting the steel plates and the vibration sound buffer material to rolling processing. CONSTITUTION: Cu-spheres 4 coated with Ni in a thickness of 0.1 - 5µm or a reticulated body 8 formed by knitting an Ni-wire, an Ni-alloy wire or an Ni-coated wire are arranged in the vibration sound buffer material 6 interposed between steel plates 1, 1' and all of the steel plate 1, the vibration sound buffer material 6 and the steel plate 1' are integrally subjected to rolling processing. As a means for coating the Cu-spheres with Ni, sputtering or vapor deposition may be used other than wet plating and dry plating. By this method, welding strength stable and sufficient in electric resistance welding at the time of the assembling of a product is obtained.  
 FI - B23K11/16&320; B32B15/08&D  
 PA - (A)  
 TANAKA PRECIOUS METAL IND  
 IN - (A)  
 SAWADA OSAMU  
 AP - JP19890102557 19890421  
 PR - JP19890102557 19890421  
 DT - I

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AN - 1991-003001 [01]  
 TI - Vibration-damping composite steel board prepn. - by sandwiching vibration-buffering plastic layer dispersed with copper spheres coated by nickel sheath, between steel boards  
 AB - J02279329 A vibration-damping composite steel board is prepd. by sandwiching a vibration-buffering plastic layer dispersed with Cu spheres coated by 0.1-3 micron-thick Ni sheath or Ni or Ni alloy wires or reticular sheet woven by Ni-coated wires between two steel boards and rolling the sandwiched boards integrally.  
 - Pref. Cu spheres are coated with Ni by wet process, hot process, sputtering process or vacuum deposition process for preventing the surface oxidation of Cu spheres. The reticular sheet comprises Ni wires, Ni-Cu alloys, Ni-coated Cu or Fe wires.  
 - USE/ADVANTAGE - The composite steel board provides high and stable strength of weld zones by electric welding. It is used for mfg. bodies of electric washing machines, oil pans for motor cars. (3pp Dwg.No.0/0)  
 IW - VIBRATION DAMP COMPOSITE STEEL BOARD PREPARATION SANDWICH VIBRATION BUFFER PLASTIC LAYER DISPERSE COPPER SPHERE COATING NICKEL SHEATH STEEL BOARD  
 PN - JP2279329 A 19901115 DW199101 000pp  
 - JP2635164B2 B2 19970730 DW199735 B32B15/08 003pp  
 IC - B23K11/16 ; B32B15/08  
 MC - M13-H  
 DC - M13 P55 P73  
 PA - (TANI) TANAKA KIKINZOKU KOGYO KK  
 AP - JP19890102557 19890421 JP19890102557 19890421; [Previous Publ. J02279329]  
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- I - B32B15/08 ; B23K11/16
- PA - TANAKA KIKINZOKU KOGYO KK
- IN - SAWADA OSAMU
- ABD - 19910131
- ABV - 015042
- GR - M1076
- AP - JP19890102557 19890421